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**SCHLESINGER et al.**(10) **Pub. No.: US 2019/0028841 A1**(43) **Pub. Date: Jan. 24, 2019**(54) **UNDESIRABLE ENCOUNTER AVOIDANCE**(52) **U.S. Cl.**(71) Applicant: **Microsoft Technology Licensing, LLC**,  
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**21/3415** (2013.01); **G01C 21/3484** (2013.01)(72) Inventors: **Benny SCHLESINGER**, Ramat  
Hasharon (IL); **Yuval BORSUTSKY**,  
Rishon Le Tsiyon (IL); **Keren**  
**DAMARI**, Tel Aviv (IL)

(57)

**ABSTRACT**

A method disclosed herein for allows users to avoid such undesirable encounters by determining whether an undesirable contact of the user has opted for sharing location information, in response to determining that the undesirable contact has opted for sharing location information, collecting location signal from the undesirable contact, forecasting anticipated locations of the undesirable contact over a period based on the location signal of the undesirable contact, forecasting anticipated locations of the user over the period, determining potential of encounter between the user and the undesirable contact based on analysis of anticipated locations of the user and the anticipated locations of the undesirable contact over the period, generating an undesirable contact avoidance scheme based on the potential of encounter, and optionally notifying the user of the undesirable contact avoidance scheme.

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